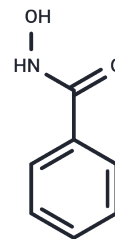


Benzohydroxamic acid

Chemical Properties

CAS No. :	495-18-1
Formula:	C7H7NO2
Molecular Weight:	137.136
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Benzohydroxamic acid (BHA) is a chitin deacetylase (CDA) inhibitor with notable antifungal properties. It displays K_i values of 8.31 μM against <i>Verticillium dahliae</i> CDA and 9.83 μM against <i>Puccinia striiformis</i> f. sp. <i>tritici</i> CDA. BHA can restore the defense responses in infected host plants by upregulating the expression of defense-related genes, thereby reducing fungal growth and proliferation within the plants. It is applicable in the research of agricultural fungal diseases, such as cotton wilt and wheat stripe rust, caused by pathogens like <i>Verticillium dahliae</i> and <i>Puccinia striiformis</i> .
Targets(IC50)	Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.2918 mL	36.4591 mL	72.9182 mL
5 mM	1.4584 mL	7.2918 mL	14.5836 mL
10 mM	0.7292 mL	3.6459 mL	7.2918 mL
50 mM	0.1458 mL	0.7292 mL	1.4584 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481